Title (en)

ENERGY TRANSITION DECISION SUPPORT METHOD BASED ON TECHNOLOGY-ECONOMY-REAL PARTICIPANT-COMPUTER AGENT INTERACTIVE SIMULATION

Title (de)

VERFAHREN ZUR ENTSCHEIDUNGSUNTERSTÜTZUNG BEIM ENERGIEÜBERGANG BASIEREND AUF EINER INTERAKTIVEN SIMULATION VON TECHNOLOGIE, WIRTSCHAFT, REALEN TEILNEHMERN UND COMPUTERAGENTEN

Title (fr)

PROCÉDÉ DE PRISE EN CHARGE DE DÉCISION DE TRANSITION D'ÉNERGIE BASÉ SUR UNE SIMULATION INTERACTIVE D'AGENT INFORMATIQUE-PARTICIPANT RÉEL À ÉCONOMIE DE TECHNOLOGIE

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Application

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Priority

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Abstract (en)

The present invention discloses an energy transition decision support method based on technical-economic-real participant-computer agent interactive simulation, relating to the technical field of energy planning. According to the present invention, transition decisions of participants are added to an objective technical-economic model of energy system, and decision-making behaviors of real participants and computer agents are taken as input of the objective technical-economic model at each simulation step. The simulation results under the driving of behavior decisions at the previous stage are taken as a basis to adjust decisions of the participants at the next stage, so that interaction influence of technical-economic-multiplayer game behaviors is reflected in the time track of the simulation results. According to the present invention, the negative influence caused by a deviation of computer agents in simulating behaviors of important roles is reduced, and the advantages of real participants and computer agents in simulating human behaviors are taken into account.

IPC 8 full level

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